

## Resurfacing: Residential/Rural Roads -- No. 500511

Category  
Subcategory  
Administering Agency  
Planning Area

Transportation  
Highway Maintenance  
Transportation  
Countywide

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

January 14, 2010  
No  
None.  
On-going

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY08	Rem. FY08	Total 6 Years	FY09	FY10	FY11	FY12	FY13	FY14	Beyond 6 Years
Planning, Design, and Supervision	7,518	15	409	7,094	993	1,514	756	1,277	1,277	1,277	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	35,273	7,196	113	27,964	5,065	6,986	1,744	4,723	4,723	4,723	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>42,791</b>	<b>7,211</b>	<b>522</b>	<b>35,058</b>	<b>6,058</b>	<b>8,500</b>	<b>2,500</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

Current Revenue: General	333	309	24	0	0	0	0	0	0	0	0
G.O. Bonds	40,841	5,285	498	35,058	6,058	8,500	2,500	6,000	6,000	6,000	0
PAYGO	1,617	1,617	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>42,791</b>	<b>7,211</b>	<b>522</b>	<b>35,058</b>	<b>6,058</b>	<b>8,500</b>	<b>2,500</b>	<b>6,000</b>	<b>6,000</b>	<b>6,000</b>	<b>0</b>

#### DESCRIPTION

This project provides for the permanent patching and resurfacing of rural and residential roadways using durable hot mix asphalt to restore long-term structural integrity to the aging rural and residential roadway infrastructure. The County maintains a combined total of 3,885 lane miles of rural and residential roads. The department estimates that 2,006 lane miles (52 percent) of rural / residential pavement requires significant levels of preventive maintenance to safeguard the infrastructure from incremental failure requiring more costly rehabilitative / reconstruction efforts. Preventative maintenance includes full-depth patching of distressed areas of pavement in combination with a new hot mix asphalt wearing surface of 1-inch to 2-inch depending on the levels of observed distress. Rural and residential roads that have been rated as "fair condition" (level 3) are ideal candidates for preventive maintenance.

#### CAPACITY

This project will not affect the capacity of the rural and residential road network. However, additional lane miles of rural and residential road will be added to the existing inventory as new roads are accepted by Executive Order.

#### COST CHANGE

No cost change. FY10 supplemental with schedule change to advance FY11 expenditures.

#### JUSTIFICATION

The Department of Transportation (DOT) has undertaken a sample study of rural and residential road pavement conditions utilizing a pavement condition rating system based upon types of observed distress (i.e., areas of pavement fatigue, base and sub-base failures, cracking, spalling, patches, and profile) and extent of observed distress (i.e., percentage of surface area exhibiting various forms of distress). Based upon levels of observed pavement distress, pavements are rated very good (level 5), good (level 4), fair (level 3), poor (level 2), and very poor (level 1). The study included a cross section of approximately 6 percent of the residential road inventory (248 lane miles). The study, which is deemed representative of the residential road inventory as a whole, will be expanded to include the entire rural / residential road inventory of 3,885 lane miles. The expanded study, to be conducted by a consultant, is expected to be completed by August 2008.

#### OTHER

The design and planning stages, as well as project construction, will comply with the DOT, Maryland State Highway Administration (MSHA), Manual on Uniform Traffic Control Devices (MUTCD), American Association of State and Highway Officials (AASHTO), and American with Disabilities Act (ADA). Rural/residential road mileage has been adjusted to conform with the State inventory of road mileage maintained by MSHA. This inventory is updated annually. Expenditures will continue indefinitely.

#### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

#### APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY05	(\$000)
First Cost Estimate	FY10	42,791
Current Scope		
Last FY's Cost Estimate		42,791
Appropriation Request	FY10	5,500
Supplemental Appropriation Request		3,000
Transfer		0
Cumulative Appropriation		13,791
Expenditures / Encumbrances		12,657
Unencumbered Balance		1,134
Partial Closeout Thru	FY07	0
New Partial Closeout	FY08	0
Total Partial Closeout		0

#### COORDINATION

Washington Suburban Sanitary Commission  
Washington Gas Light Company  
PEPCO  
Cable TV  
Verizon  
United States Post Office

#### MAP

